VIKUM PRABHATH WIKKRAMACHCHI

Undergraduate Software Engineer

CONTACT

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TECHNICAL SKILLS

- **Languages:** Java, JavaScript, C#, PHP, HTML/CSS

- **Frameworks:** Spring Boot, React + Vite, Node.js

- **Database:** Oracle, MySQL, MongoDB, SQLite

- **Tooles:** IntelliJ IDEA, Netbeans, Git, VS Code, Android Studio, Arduino IDE, Postman

- **Core Skills:** RESTful API Development, Frontend and Backend Development, Git and Version Control

- **Other:** OOP Concepts, SOLID Principles, Networking Basics

LANGUAGE

- **English:** Proficient
- **Sinhala:** Native

PROFILE

Second-year Software Engineering student with expertise in full-stack development (React, Spring Boot) and IoT systems. Passionate about solving real-world problems through code. Seeking an internship to apply my technical knowledge and gain hands-on experience in software engineering.

EDUCATION

- **HIGHER NATIONAL DIPLOMA IN SOFTWARE ENGINEERING (2025)**
  NIBM UNIVERSITY, COLOMBO.

- **DIPLOMA IN SOFTWARE ENGINEERING (2024)**
  NIBM UNIVERSITY, COLOMBO.

- **G.C.E ADVANCED LEVEL (2022)**
  ANANDA SASTRALAYA NATIONAL SCHOOL, MATHUGAMA.

- **G.C.E ORDINARY LEVEL (2019)**
  ANANDA SASTRALAYA NATIONAL SCHOOL, MATHUGAMA.

CERTIFICATIONS

- Oracle Database Design (Oracle Academy, 2024)

PROJECTS

- **Smart IOT Backpack | C++, Firebase, Flutter** *(Team of 4)*

  The Smart Backpack is an innovative IoT-based system designed for commuters. It enhances safety, health, and organization by integrating various smart sensors and modules with mobile app control.

  Contribution: *Hardware & Software Engineering*
  - Designed circuit architecture and programmed NodeMCU (C++) to collect sensor data (GPS, temperature).
  - Integrated Firebase Realtime Database to sync sensor data, reducing latency by 40%.
  - Collaborated in a 4-member team using Agile sprints.

  GitHub: https://github.com/hirunaPankaja/Smart-Backpack
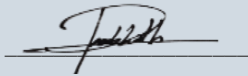
I hereby certify that the above particulars furnished by me are true and accurate to the best of my knowledge.

Date:

 06/07/2025

Signature:

- **Digital Death Cleanup Web Application** | **React, Spring Boot, MySQL** *(Team of 4)*

  Securely manage your digital legacy and automate digital asset handling after death. Here, strict attention was paid to data security, AES-encryption was used for storing information and JWT was used for user authentication.

  Contribution: Full-Stack Developer
  - Design the UI for the frontend, develop the backend for that UI, and connect to the database.
  - Backend functions such as Executor Registration, Lawyer Registration, Forgot Password, Add Lawyer, Add Executor have been implemented.

  GitHub: https://github.com/hirunaPankaja/AfterYou

- **Fitness Tracking Mobile Application** | **Android Studio, Google Map API, SQLite** *(Team of 3)*

  Built a fitness app with workout plans, step tracking, and nutrition logging. Here, the application prepares a workout plan that suits the user and monitors whether the user is following the plan or not. This mobile application was built using Android studio and the walking details were obtained using Google Map API. SQLite was used to store the data.

- **Learning Management Application** | **React, Spring Boot, MySQL** *(Team of 3)*

  Designed and developed a full-stack quiz application using React and Java. Integrated a timer and question components and implemented backend services with Spring Boot.

- **Project Management System** | **React, Spring Boot, MySQL** *(Team of 3)*

  Developed a web application that tracks employee progress and projects, maps relevant locations, and generates reports. Used Spring Boot, React.js, and MySQL.

- **Retail POS & Inventory Management** | **C#, Crystal Report, MySQL** *(Team of 4)*

  Developed an enterprise application using C# to manage employees, stock, payments and generate reports. Used MySQL for the database and Crystal Report to generate reports.